

DT12 Rec'd FCT/PTO 0 4 MAR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Mark W. Wanlass et al.)	Art Unit: Not Yet Accorded
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Serial No.: Not Yet Accorded)	Examiner: Not Yet Accorded
)	
Filing Date: Not Yet Accorded)	
)	
Title: Method for Achieving Device- Quality, Lattice-Mismatched, Heteroepitaxial Active Layers)	Atty. Docket No.: NREL 02-01
)	

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.97(b)

Commissioner for Patents
U.S. Patent & Trademark Office
P.O. Box 1450
MS Patent Application
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing of a first office action of the above-identified application. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.


That each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application.

In accordance with 37 C.F.R. § 1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 USC §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Respectfully submitted,



Paul J. White, Reg. No. 30,436
Attorney for Applicants

Dated: March 3, 2005

National Renewable Energy Laboratory
1617 Cole Boulevard
Golden, CO 80401
303/384-7575

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	Not Yet Accorded
Filing Date	Not Yet Accorded
First Named Inventor	Mark W. Wanlass
Art Unit	Not Yet Accorded
Examiner Name	Not Yet Accorded
Attorney Docket Number	NREL IR 02-01

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 5,016,065	05/14/1991	Seki et al.	
	2	US- 5,825,796	10/20/1998	Jewell et al.	
	3	US- 6,107,648	08/22/2000	Shakuda et al.	
	4	US- 6,194,742 B1	02/27/2001	Kern et al.	
	5	US- 6,222,200 B1	04/24/2001	Svilans	
	6	US- 6,229,152 B1	05/08/2001	Dries et al.	
	7	US- 6,232,138 B1	05/15/2001	Fitzgerald et al.	
	8	US- 6,242,764 B1	06/05/2001	Ohba et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number Kind ⁴ Code ⁵ (if known)				

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	Not Yet Accorded
				Filing Date	Not Yet Accorded
				First Named Inventor	Mark W. Wanlass
				Art Unit	Not Yet Accorded
				Examiner Name	Not Yet Accorded
Sheet	2	of	2	Attorney Docket Number	NREL IR 02-01

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	KAE-NUNE, et al., "Strain Relaxation of GaO.2In0.8As and InAsO.5P0.5 Layers Grown on InP Substrate for 1.6 to 2.4 mu.m Spectral Range GaxIn1-xAs/InAsyP10y/InP Photodiodes Application," Conf. Proc. Int. Conf. Indium Phosphide Relat. Mater., 5th (1993), pages 135-138 (Abstract only).	

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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